

Stainless steel body air-operated valve for chemical liquids

AMD5¹/₂³ Series

● Orifice: Ø20



Specifications

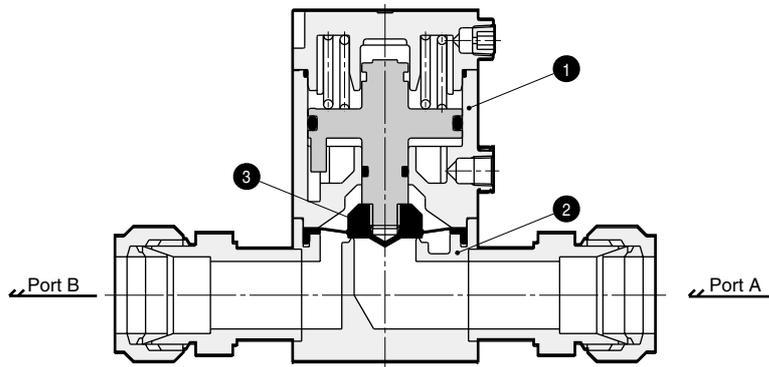
Descriptions		AMD5 ¹ / ₂ ³ -8BT/16S
Working fluid		Chemical liquids, pure water (Note 1)
Fluid temperature °C		5 to 120
Withstanding pressure MPa		0.9
Working pressure range (A → B) MPa		0 to 0.3 (Note 2)
Working pressure range (B → A) MPa		0 to 0.1 (Note 2)
Valve seat leakage cm ³ /min		0 (at, water pressure)
Back pressure MPa		0 to 0.1 (Note 2)
Ambient temperature °C		0 to 60
Frequency		20 times/min or less
Installation attitude		Free
Connection		1" SUS weld tube Double barbed fitting for 1" (Note 3)
Orifice		Ø20
Operation section	Operation pressure range MPa	NC/NO 0.3 to 0.5, double acting 0.3 to 0.4
	Operation pressure connection port	Rc1/8

Note 1: Check the compatibility of the product's configuration materials, working fluid, and ambient atmosphere before use.

Note 2: See page 56 for high-pressure specifications.

Note 3: For the double-barbed fitting, fluorine-based lubricant is applied on the sliding surface of the front ferrule and fitting.

Internal structure and parts list



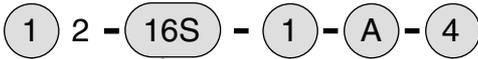
No.	Parts name	Material	Quantity
1	Actuator assembly	PPS	1
2	Body	SUS316L	1
3	Diaphragm	PTFE	1

The material differs with the model. Contact CKD for details.

How to order

AMD5

Model No.



B Connection

B Connection

8BT		16S	
1" X 11.65 SUS weld tube		1" tube connection Double barbed fitting	

A Actuation

Symbol	Descriptions	Orifice	
		Ø20	
A Actuation			
1	NC (normally closed)	●	●
2	NO (normally open)	●	●
3	Double acting	●	●

C Option

C Option			
0	ON/OFF only	●	●
1	With flow adjustment	●	●
6	With indicator	●	●

D Actuator material

D Actuator material			
Blank	PPS	●	●
A	A5056	●	●

E Operation port direction

E Operation port direction			
4	<p>Indicates that fluid flows in direction of the black arrow when looking at valve from above. The white arrow indicates operation port direction.</p>	●	●
1		●	●
2		●	●
3		●	●
4		●	●

- AMDZ
- AMD0
- AMD0*2
- AMD3*2
- AMD4*2
- AMD5*2
- AMGZ0
- AMG00
- AMG*02
- GAMMD*2
- High-pressure specifications
- AMD
- AMB
- Flow characteristics
- MMMD*02
- GMMD*02
- MMMD*0
- TMMD*02
- AMS
- AMDS
- TOAS
- Fine regulator
- KML
- Others
- Solenoid valve